



## IBM @server® xSeries 236



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### Highlights

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- ***The latest 64-bit Intel® Xeon™ Processors deliver rich 32-bit performance and support Intel® Extended Memory 64 Technology (Intel® EM64T)***
- ***New availability features, including memory mirroring, Active PCI and RAID integration help improve uptime***
- ***New systems management integration delivers ultimate control***

### Leverage 64-bit performance

The IBM @server® xSeries® 236 delivers enhanced performance for workgroup messaging, collaboration and business-critical applications. New support for 64-bit technology through Intel® EM64T provides outstanding performance and reliability for critical mail and collaboration applications. The 64-bit capability, combined with system enhancements including large memory support up to 16GB DDR2 memory via 8 DIMM slots and new high-speed I/O with PCI-Express, provides balanced system performance.

### Keep systems up and running

Advanced availability enhancements on the x236 provide high system reliability to keep critical applications online. Choices in integrated RAID-0 or -1 or optional RAID adapters offer new levels of versatility, including new IBM ServeRAID™-7k supporting RAID-5 without taking up a PCI slot. New memory availability features, hot-spare and memory mirroring, help minimize errors when running memory-intensive applications. Support for up to nine hot-swap SCSI drives and hot-swap fans and power supplies help keep components available when maintenance is needed.

### Simplify infrastructure through systems management

New, integrated systems management features—including power control, text redirection and IPMI compliance—help reduce administration time and expenses. The new Remote Supervisor Adapter II SlimLine card provides virtual remote control of the server without using a PCI slot.

### Get it now

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Select configurations of the x236 are part of the IBM Express Portfolio, designed, developed and priced to meet the specific needs of midsized businesses. The IBM Express Portfolio of solutions is easy to acquire, install and manage. Express models and configurations vary by country.

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### xSeries 236 at a glance

<b>Form factor/height</b>	5U tower with optional tower-to-rack kit
<b>Processor (max)</b>	Intel® Xeon™ Processor up to 3.80 GHz/800 MHz front-side bus supports Intel Extended Memory 64 Technology
<b>Number of processors (std/max)</b>	1/2
<b>Cache (max)</b>	2MB L2
<b>Memory<sup>1</sup> (max)</b>	512MB or 1GB/16GB PC2-3200 DDR II via 8 DIMM slots
<b>Expansion slots</b>	6 available (1x PCI-X 133 MHz Active PCI-X, 2x PCI-X 100 MHz, 2x PCI-Express, 1x 32-bit/33 MHz)
<b>Disk bays (total/hot-swap)</b>	6/6 (9 bays via 3-pack option)
<b>Maximum internal storage<sup>1,2</sup></b>	2.7TB Ultra320 SCSI
<b>Network interface</b>	Dual Gigabit Ethernet
<b>Power supply (std/max)</b>	1/2 670W
<b>Hot-swap components</b>	Power supply, fans, disk drives and 1 Active PCI slot
<b>RAID support</b>	Integrated RAID-0, -1, -10, optional RAID-5
<b>Systems management</b>	Automatic Server Restart; Predictive Failure Analysis® on hard disk drives, processors, VRMs, fans and memory; light path diagnostics with externally visible information panel; Integrated System Management Processor; optional Remote Supervisor Adapter II Slimline; IBM Director and ServerGuide™
<b>Operating systems supported</b>	Microsoft® Windows® Server™ 2003, Windows 2000 Server/Advanced Server, Novell Netware, Red Hat® Linux® and SUSE LINUX
<b>Limited warranty<sup>3</sup></b>	3-year onsite limited warranty

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<sup>1</sup> Maximum internal hard disk and memory capacities may require the replacement of any standard hard drives and/or memory and the population of all hard disk bays and memory slots with the largest capacity supported drives available. When referring to variable speed CD-ROMs, CD-Rs, CD-RWs and DVDs, actual playback speed will vary and is often less than the maximum possible.

<sup>2</sup> GB and TB = 1,000,000,000 and 1,000,000,000,000 bytes, respectively, when referring to storage capacity. Accessible capacity is less.

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